

## EAST Search History

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1    | 1    | "20040125292"   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/02/28 18:25 |
| S4    | 6    | ("20010043302"   "20010055082"   "4398805"   "6084651"   "6281952"   "6552767").PN.                         | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/06/06 17:27 |
| S3    | 17   | 349/114.ccls. and biaxial\$   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 11:40 |
| S9    | 24   | 349/117-121.ccls. and biaxial\$ and transflect\$  | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 11:41 |
| S12   | 21   | maeda-tsuyoshi not ("349".clas. LCD (liquid adj crystal))   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 14:57 |
| S13   | 1    | maeda-tsuyoshi and ("349".clas. LCD (liquid adj crystal)) and biaxial                                       | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 15:23 |
| S15   | 1    | maeda-tsuyoshi and ("349".clas. LCD (liquid adj crystal)) and (nx "n. sub.x")                               | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 15:30 |
| S16   | 9    | ("20010055082" "20010048496" "6819379" "6642981" "6628359" "6356325" "6281956" "6141075" "6081312").PN.     | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 15:31 |
| S11   | 71   | maeda-tsuyoshi and ("349".clas. LCD (liquid adj crystal))   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/07 15:40 |
| S19   | 11   | "349".clas. and Rth and (349/114.ccls. transflect\$)  | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/09 15:49 |
| S25   | 201  | 349/114.ccls. not (retard\$ biaxial\$ compensat\$)  | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/09 17:37 |
| S21   | 74   | 349/117-119.ccls. and transflect\$  | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/11 21:07 |
| S26   | 1    | "6788375".pn.   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/11 21:08 |
| S28   | 79   | 349/114.ccls. and (retard\$ biaxial\$ compensat\$) and (homeotropic\$ (vertical\$ with (align\$ orient\$))) | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/11 21:11 |
| S29   | 7    | 349/114.ccls. and (biaxial with uniaxial)   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/11 21:32 |
| S30   | 31   | "349".clas. not 349/114.ccls. and (biaxial with uniaxial) and transflect\$                                  | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/11 21:36 |
| S31   | 5    | "349".clas. not 349/114.ccls. and (biaxial with uniaxial with preferabl\$)                                  | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/06/11 21:37 |
| S32   | 5    | maeda-tsuyoshi and @pd>"20050607"   | US-PGPUB;<br>USPAT           | OR               | OFF     | 2005/07/25 15:06 |

## EAST Search History

|     |     |  |                            |    |     |                  |
|-----|-----|--|----------------------------|----|-----|------------------|
| S35 | 45  | 349/114.ccls. not biaxial\$ not retard\$ and compensat\$                     | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:10 |
| S36 | 226 | 349/114.ccls. not biaxial\$ not retard\$ not compensat\$                     | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:11 |
| S41 | 560 | 349/117-119.ccls. not transflect\$ not biaxial\$                             | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:12 |
| S40 | 319 | 349/117-119.ccls. not transflect\$ and biaxial\$                             | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:12 |
| S38 | 78  | 349/117-119.ccls. and transflect\$   | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:12 |
| S33 | 21  | 349/114.ccls. and biaxial\$  | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:13 |
| S34 | 162 | 349/114.ccls. not biaxial\$ and retard\$                                     | US-PGPUB; USPAT            | OR | OFF | 2005/07/25 15:15 |
| S44 | 0   | maeda-tsuyoshi not ("349".clas. LCD (liquid adj crystal)) and @pd>"20050607" | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 19:25 |
| S43 | 8   | maeda-tsuyoshi and ("349".clas. LCD (liquid adj crystal)) and @pd>"20050607" | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 19:25 |
| S46 | 7   | 349/114.ccls. and biaxial\$ and @pd>"20050607"                               | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 20:02 |
| S48 | 52  | 349/114.ccls. not biaxial\$ not retard\$ and @pd>"20050607"                  | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 20:05 |
| S47 | 37  | 349/114.ccls. not biaxial\$ and retard\$ and @pd>"20050607"                  | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 20:06 |
| S51 | 8   | 349/117-119.ccls. and transflect\$ and @pd>"20050607"                        | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 20:07 |
| S52 | 59  | 349/117-119.ccls. not transflect\$ and @pd>"20050607"                        | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 20:08 |
| S49 | 30  | 349/114.ccls. and 349/117-119.ccls.  | US-PGPUB; USPAT            | OR | OFF | 2005/10/02 20:10 |
| S55 | 14  | (transflect\$ (reflect\$ near3 transmiss\$)).clm. and biaxial\$.clm.         | US-PGPUB                   | OR | OFF | 2005/10/02 20:12 |
| S56 | 15  | biaxial\$ and (transflect\$ (reflect\$ near2 transmiss\$))                   | EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/02 20:16 |
| S58 | 1   | "20020039166"  | US-PGPUB; USPAT            | OR | OFF | 2006/01/18 17:06 |
| S57 | 3   | ("5249071" "6341002" "6678031").pn.  | US-PGPUB; USPAT            | OR | OFF | 2006/01/18 17:06 |
| S60 | 2   | "20050248704" "20020071070"  | US-PGPUB; USPAT            | OR | OFF | 2006/01/18 17:48 |
| S59 | 2   | ("6281956" "6642981").pn.  | US-PGPUB; USPAT            | OR | OFF | 2006/01/18 17:48 |

## EAST Search History

|     |     |   |                    |    |     |                  |
|-----|-----|---|--------------------|----|-----|------------------|
| S65 | 1   | "20020071070"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 18:16 |
| S67 | 64  | "349".clas. and biaxial\$ with nx                                       | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:06 |
| S71 | 79  | "nx&gt;" with "ny&gt;" with nz  | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:07 |
| S70 | 82  | "nx&gt;" with "ny&gt;"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:07 |
| S69 | 174 | "nx&gt;"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:07 |
| S68 | 0   | "nx&gt;nz&gt;ny"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:07 |
| S75 | 15  | not "349".clas. and biaxial\$ and<br>("nx&gt;" with "ny&gt;" with "nz") | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:08 |
| S74 | 45  | "349".clas. and biaxial\$ and<br>("nx&gt;" with "ny&gt;" with "nz")     | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:08 |
| S73 | 60  | biaxial\$ and ("nx&gt;" with "ny&gt;"<br>with "nz")                     | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/27 19:08 |
| S78 | 10  | "nx.apprxeq.ny"   | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/30 17:04 |
| S76 | 79  | "nx&gt;" with "ny&gt;" with "nz"  | US-PGPUB;<br>USPAT | OR | OFF | 2006/01/30 17:18 |
| S90 | 19  | maeda-tsuyoshi and<br>@pd>"20051002"                                    | US-PGPUB;<br>USPAT | OR | OFF | 2006/08/05 14:38 |
| S91 | 26  | "349".clas. and nx with ny with<br>(quarter quarterwave)                | US-PGPUB;<br>USPAT | OR | OFF | 2006/12/06 11:40 |
| L2  | 0   | maeda-tsuyoshi and<br>@pd>"20060805" and biaxial\$                      | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/14 13:19 |
| L1  | 18  | maeda-tsuyoshi and<br>@pd>"20060805"                                    | US-PGPUB;<br>USPAT | OR | ON  | 2007/04/14 13:19 |

4/14/07